



**IN THE UNITED STATES**  
**PATENT AND TRADEMARK OFFICE**

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SEP 17 2001  
Technology Center 2600

Applicant: **Shuo-Yen Robert Li**

Case: **20**

Serial No. **09/882,075**

Filed: **June 15, 2001**

Group Art Unit:

Examiner:

**Title of Invention: GENERAL SELF-ROUTING MECHANISM FOR  
MULTICASTING CONTROL OVER BIT-PERMUTING  
SWITCHING NETWORKS**

**THE COMMISSIONER OF PATENTS AND TRADEMARKS  
WASHINGTON, D.C. 20231**

**SIR:**

Enclosed is a Preliminary Amendment in the above-identified application.

No additional fee is required based on the calculation below for a **small entity**:

**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT	CLAIMS PREVIOUSLY PAID FOR	EXTRA	RATE	ADDITIONAL FEE
Total Claims	22	20	2	\$ 9.00	\$ 18.00
Indep. Claims	3	3	0	\$40.00	\$ 0.00

Multiple Claims First Presented with this Amendment = 0	\$0
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**Total: \$ 18.00**

Also enclosed herewith for filing in connection with the enclosed application are:

**XX** Return Postcard  
**XX** Credit Card Authorization in the Amount of \$ **18.00**

Respectfully submitted,

*John T. Peoples*

Date: 9-8-01

John T. Peoples (Reg. No. 28,250)  
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Warren, NJ 07059



Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited by me on  
9-8-01 with the United States Postal Service with sufficient  
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9-8-01  
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John T. Peoples  
John T. Peoples



**IN THE UNITED STATES**  
**PATENT AND TRADEMARK OFFICE**

#3/A  
Phyllis Sebold  
11/07/01

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SIR:

**PRELIMINARY AMENDMENT**

Enclosed is a Preliminary Amendment in the above-identified application.  
Please amend the application as follows.

In the Specification:

Replace pages 8 and 9 with the following:

-- SUMMARY OF THE INVENTION

The shortcomings of the prior art, as well as other limitations and deficiencies, are obviated in accordance with the present invention by applying algebraic principles to the physical realization of a large switching fabric based upon contemporary technologies.

In accordance with a broad method aspect of the present invention, a method for self-routing a plurality of packets through a  $2^n \times 2^n$  switch, the switch having

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